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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,072	06/26/2003	Kenneth E. Sauter	SAU004-186	1640

7590                    07/27/2004

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[REDACTED] EXAMINER

PAIK, SANG YEOP

ART UNIT	PAPER NUMBER
	3742

DATE MAILED: 07/27/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>
	10/606,072	SAUTER ET AL.
	<b>Examiner</b>	<b>Art Unit</b>
	Sang Y Paik	3742

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-14 and 16-20 is/are rejected.
- 7) Claim(s) 15 is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 26 June 2003 is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All
  - b) Some \*
  - c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 6/26/03.
- 4) Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Claim Objections***

1. Claim 7 is objected to because of the following informalities: claim 7 depends onto itself. It seems it's a typo where claim 7 should have been dependent upon claim 6 having the proper antecedent basis for the recited "digital display". Claim 7 would be treated as being dependent on claim 6, but claim 7 should be amended to reflect proper dependency. Appropriate correction is required.

### ***Specification***

2. The disclosure is objected to because of the following informalities: on page 2 of the specification, on line 19, the patent no. 6,236,630 seems to be an typo. It should rather be 6,236,025.

Appropriate correction is required.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 3 and 4 are rejected under 35 U.S.C. 112, first paragraph, because the specification, while being enabling for activating the heating element with the controller, does not reasonably provide enablement for terminating the operation of the heating element after the period of inactivity. The specification does not enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make or use the invention commensurate in scope with these claims. Since the time duration set by the controller indicates the operation or

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activation time of the heating element that determinates the heating element at the expiration of the time duration, it is unclear at what stage does the heating element remain inactivate which allows the controller to shut down the function. Furthermore, what function is the controller shutting down? Clarification is required.

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1, 2, 5-14 and 16-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Welle (US 4,786,799) in view of Ueda (US 4,410,795).

Well shows a cooking appliance such as a cooktop with heating elements arranged thereon with a controller for controlling the heating power for the heating elements and including a digital display. But Welle does not show that the controller has the recited control element for inputting first and second settings.

Ueda shows a cooking appliance having a controller with the control elements having a plurality of buttons for selecting a first set of button for inputting the first set of power and time duration and a second set of button for inputting the second set of power and time duration. Ueda further shows a digital display having a first and second display sections where the first display indicates the power input and the second display having the time duration. Ueda also allows the power and time duration to increase or decrease depending on the desired settings, and the

selection of the second power and time duration is prompted automatically after the first power level and time duration is entered.

In view of Ueda, it would have been obvious to one of ordinary skill in the art to adapt Well with the programmable control elements to input the sequential power and time durations to automatically implement the cooking process which requires varying heating temperature and time.

With respect to claim 5, the second power such as zero power would be automatically established if Ueda fails to make any other power selection subsequent to the first input power and time duration selection. With respect to claim 11, the first power and time duration selection can be a pre-heat process or any other heat process the user desires it to be.

***Allowable Subject Matter***

7. Claim 15 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sang Y Paik whose telephone number is 703-308-1147. The examiner can normally be reached on M-F (9:00-4:00) First Friday Off.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

S. Paik

Sang Y Paik  
Primary Examiner  
Art Unit 3742

syp